United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

08/22/2005

James S. Tak
Assistant Laboratory Counsel
Lawrence Livermore National Laboratory
P.O. Box 808, L-703
Livermore, CA 94551

EXAMINER

PEDDER, DENNIS H

ART UNIT

PAPER NUMBER

3612

DATE MAILED: 08/22/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,820	09/22/2003	Jason M. Ortega	IL-11091	1947

TITLE OF INVENTION: BOATTAIL PLATES WITH NON-RECTANGULAR GEOMETRIES FOR REDUCING AERODYNAMIC BASE DRAG OF A BLUFF BODY IN GROUND EFFECT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	\$1000	11/22/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 (571) 273-2885

or Fax

indicated unless corrected to maintenance fee notification	below or directed otherwise	in Block 1, by (a	ners and nonincano	n ot maintenance teec	uired). Blocks 1 through 5 s will be mailed to the current s; and/or (b) indicating a sep	COTTOCHONDON OD ODD
CURRENT CORRESPONDENC	E ADDRESS (Note: Use Block 1 for	any change of address)		ree(s) Transmittal. T	f mailing can only be used f	for any other accompanying
75	590 08/22/2005			have its own certifica	al paper, such as an assignm te of mailing or transmission.	ent or formal drawing, must
James S. Tak	`				rtificate of Mailing or Tran	
Assistant Laborator	ry Counsel			I hereby certify that t	his Fee(s) Transmittal is being	g deposited with the United
	re National Laboratory			addressed to the Ma	his Fee(s) Transmittal is bein with sufficient postage for fit il Stop ISSUE FEE address PTO (571) 273-2885, on the	rst class mail in an envelope
P.O. Box 808, L-70				transmitted to the US	PTO (571) 273-2885, on the	date indicated below.
Livermore, CA 945	551					(Depositor's name)
						(Signature)
APPLICATION NO.	FILING DATE		FIRST MANGE INVE	NTOD.	Lamony no over the	(Date)
			FIRST NAMED INVE		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,820	09/22/2003		Jason M. Orteg		IL-11091	1947
GROUND EFFECT	OATTAIL PLATES WITH	NON-RECTANGI	JLAR GEOMETRI	ES FOR REDUCING A	ERODYNAMIC BASE DRA	AG OF A BLUFF BODY IN
APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE I	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700		\$300	\$1000	11/22/2005
EXAM	IINER	ART UN	IT (CLASS-SUBCLASS		
PEDDER, DENNIS H		3612	-	296-180100	-	•
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence address).			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively.			
Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T		<u>.</u>		
PLEASE NOTE: Unless		low no assignee	data will appear on	the notent. If an accio	nee is identified below, the o	locument has been filed for
(A) NAME OF ASSIGNE				ΓΥ and STATE OR CO	UNTRY)	
Please check the appropriate	assignee category or category	ries (will not be pri	nted on the patent):	☐ Individual ☐ C	orporation or other private gr	oup entity 🚨 Government
4a. The following fee(s) are	enclosed:	4b	. Payment of Fee(s):			
☐ Issue Fee			A check in the amount of the fee(s) is enclosed.			
☐ Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.			
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).			
5. Change in Entity Status	(from status indicated above MALL ENTITY status. See 3		_		LL ENTITY status. See 37 C	
			ion Fee (if any) or to from anyone other Office.	re-apply any previous than the applicant; a reg	ly paid issue fee to the application istered attorney or agent; or the	ation identified above. the assignee or other party in
Typed or printed name			Registration No.			
This collection of information an application. Confidentialit submitting the completed app this form and/or suggestions Box 1450, Alexandria, Virgin Alexandria, Virginia 22313-1	n is required by 37 CFR 1.3 by is governed by 35 U.S.C. plication form to the USPTG for reducing this burden, shain a 22313-1450. DO NOT \$1450.	1. The information 122 and 37 CFR 1 D. Time will vary ould be sent to the EEND FEES OR C	n is required to obtain. 14. This collection depending upon the Chief Information (OMPLETED FORM	n or retain a benefit by is estimated to take 12 individual case. Any c Officer, U.S. Patent and IS TO THIS ADDRES	the public which is to file (an minutes to complete, includir omments on the amount of ti Trademark Office, U.S. Dep S. SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/668,820	09/22/2003	Jason M. Ortega	IL-11091	1947	
75	90 08/22/2005	1	EXAM	INER	
James S. Tak Assistant Laborator	v Counsel	PEDDER, DENNIS H			
	re National Laboratory	ART UNIT	PAPER NUMBER		
P.O. Box 808, L-70			3612		
Livermore, CA 94551			DATE MAILED: 08/22/2005		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.